

02-22-03

454313-3154.1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants(s):

AUDONNET et al.

U.S. Serial No.:

09/760,574

Filing Date

January 16, 2001

For:

IMPROVED DNA VACCINES FOR FARM ANIMALS, IN

PARTICULAR BOVINES AND PORCINES

Examiner

J. Eric Angell

Art Unit

1635

745 Fifth Avenue, New York, NY 10151

EXPRESS MAIL

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is respectfully directed to the documents which are set forth on the accompanying form PTO-1449. This Information Disclosure Statement is being filed after receipt of a non-final Office Action mailed September 12, 2002, and we have enclosed the

required fee of \$180.00 set forth in \$1.17(p) for consideration and entry of this document. 05/23/2003 MASFAUL 00000125 09760574

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However, the Commissioner is hereby authorized to charge any such fee, or credit any overpayment to Deposit Account 50-0230.

The filing of this Information Disclosure Statement is not an admission that the documents identified herein constitute prior art to the present application.

Applicants respectfully request that the Examiner considers and make of record the documents cited herewith and that a copy of Form PTO-1449 be initialed by the Examiner and returned to the undersigned.

Respectfully submitted,

FROMMER LAWRENCE & HAUG LLP

By:

Thomas J. Kowalski

Reg. No. 32,147

Tel 212-588-0800

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Based on Form PTO-1449 ATTY. DOCKET NO. SERIAL NO. (3/90)454313-3154.1 LIST OF REFERENCES CITED BY APPLICANT APPLICANT (Use several sheets if necessary) AUDONNET ET AL FILING DATE GROUP January 16, 2001 1635 U.S. PATENT DOCUMENTS DOCUMENT NUMBER **EXAMINER** DATE CLASS NAME **SUBCLASS** FILING DATE INITIAL IF APPROPRIATE AA FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY **CLASS** SUBCLASS TRANSLATION YES NO AB OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.) AC Boroushan Pirzadeh et al., Journal of General Virology, 1998, "Immune Response in Pigs Vaccinated with Plasmid DNA Encoding ORF5 of Porcine Reproductive and Respiratory Syndrome Virus" AD C. Somasundaram et al., Veterinary Immunology and Immunopathology, 1999, "Enhanced Protective Response and Immuno-Adjuvant Effects of Porcine GM-CSF on DNA Vaccination of Pigs against Aujeszky's Disease Virus" Jeong-Im Sin et al., Vaccine, Vol. 15, 1997, "Protective Immunity Against Heterologous Challenge with AΕ Encephalomyocarditis Virus by VP1 DNA Vaccination: Effect of Coinjection with a Granulocyte-Macrophage Colony Stimulating Factor Gene" AF S. Inumaru et al., Immunology and Cell Biology, 1995, XP-000946635, "cDNA Cloning of Porcine Granulocyte-Macrophage Colony-Stimulating Factor" AG Colin J. McInnes et al., Gene, 1991, XP-002148815, "Cloning and Expression of a cDNA Encoding Ovine Granulocyte-Macrophage Colony-Stimulating Factor" AH Lorne A. Babiuk et al., Veterinary Immunology and Immunopathology, 2000, "Nucleic Acid Vaccines: Research Tool or Commercial Reality" ΑI Jan Schultz et al., Intervirology 2000, "Update on Antiviral DNA Vaccine Research" (1998-2000) -ΑJ Parker et al., XP-002153286, "Cancer Gene Therapy" 1996 AK Michael J. McCluskie et al., Molecular Medicine, 1999, "Route and Method of Delivery of DNA Vaccine Influence Immune Responses in Mice and Non-Human Primates" AL L.A. Babiuk et al., "DNA Immunization with Bovine Herpesvirus-1 Genes" 1995 **AM** Weiwen Jiang et al., Vaccine, Vol. 16, 1998, "Nucleic Acid Immunization Protects Dogs against Challenge with Virulent Canine Parvovirus" **EXAMINER** DATE CONSIDERED

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